PATENT ABSTRACTS OF JAPAN

(11)Publication number : 63-233016
(43)Date of publication of application : 28.09.1988

(51)Int.Cl. C01G 23/00
C01G 30/00
C08K 9/02
C08K 9/02
H01B 1/08

(21)Application number : 62-281515
(22)Date of filing : 07.11.1987

(71)Applicant : ISHIHARA SANGYO KAISHA LTD
(72)Inventor : SAKAMOTO MASASHI
OKUDA HARUO
TAKAHASHI HIDEO
YAMADA EIJI

(30)Priority
Priority number : 61268084 Priority date : 11.11.1986 Priority country : JP

(54) ACICULAR ELECTRICALLY CONDUCTIVE TITANIUM OXIDE AND ITS PRODUCTION

(57)Abstract:
PURPOSE: To remarkably decrease electric resistance of powder by adding a soln. of stannic chloride and a soln. of antimony chloride to an aq. suspension of high pure titanium oxide treated with acid and forming a coating layer on the surface of said titanium oxide.
CONSTITUTION: Impurity consisting of phosphorous compd. and compd. of ≤3 valency metal is removed from acicular titanium oxide having 1W10μm length and ≥3 aspect ratio by treating said titanium oxide with acid and/or alkali. Thereby, the content of phosphorous compd. is made ≤1wt.% (calculated in term of P2O5) and the content of the compd. of ≤3 valency metal is made ≤0.2wt.% (expressed in terms of oxide). The soln. of tin chloride and the soln. of antimony chloride are added to the aq. suspension of the high pure titanium oxide contg. ≤3wt.% impurity. Thus, the coating layer consisting of hydrate of tin oxide and antimony oxide is formed on the surface of said high pure titanium oxide. Then, the above-mentioned titanium oxide is separated and calcined.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision

of rejection]
[Date of extinction of right]